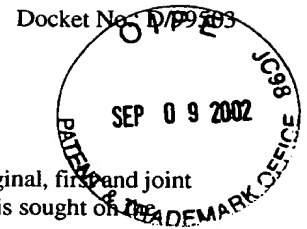


APPLICATION FOR UNITED STATES PATENT
DECLARATION AND POWER OF ATTORNEY



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR CONSTRUCTING FINITE-STATE NETWORKS MODELING
NON-CONCATENATIVE PROCESSES

described and claimed in the specification:

Check one

*a. ☐ attached hereto.

b. ☒ filed on 12/18/00 as Application No. 09/737,942 and amended on 02/22/01 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Registration No. 27,075; William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562; Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450; Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565; Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430; Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; Mark Costello, Registration No. 31,342;
Don L. Webber, Registration No. 34,275; Ronald F. Chapuran, Registration No. 26,402;
Eugene O. Palazzo, Registration No. 20,881; Kevin R. Kepner, Registration No. 32,145;
and/or Richard B. Domingo, Registration No. 36,784.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1 **Typewritten Full Name**
of First or Sole Inventor

	Given Name	Middle Initial	Family Name
2 **INVENTOR'S SIGNATURE:	<i>Lauri</i>	<i>J</i>	<i>Karttunen</i>
3 **DATE OF SIGNATURE:	<i>Sept</i>	<i>4</i>	<i>2002</i>
Residence:	Redwood City	CA	USA
	City	State or Province	Country
Citizenship:	Finnish		
Post Office Address:			
(Insert complete mailing address, including country)	3950 Jefferson Ave		
	Redwood City, CA 94062		

*This form may be executed only when attached to the specification (including claims) at the end thereof if Box a. is checked.

**Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

Page 2 OF U.S.A. DECLARATION FORM
(Discard this page in a sole inventor application)

1 **Typewritten Full Name**
of Second Joint Inventor (if any)

Kenneth

R

Beesley

Given Name

Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

August

12

2002

Residence:

Meylan

France

City

State or Province

Country

Citizenship:

USA

Post Office Address:

(Insert complete
mailing address,
including country)

19, allée des Frênes

38240 Meylan

1 **Typewritten Full Name**
of Third Joint Inventor (if any)

Given Name

Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

Month

Day

Year

Residence:

City

State or Province

Country

Citizenship:

USA

Post Office Address:

(Insert complete
mailing address,
including country)

1 **Typewritten Full Name**
of Fourth Joint Inventor (if any)

Given Name

Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

Month

Day

Year

Residence:

City

State or Province

Country

Citizenship:

Post Office Address:

(Insert complete
mailing address,
including country)

1 **Typewritten Full Name**
of Fifth Joint Inventor (if any)

Given Name

Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

Month

Day

Year

Residence:

City

State or Province

Country

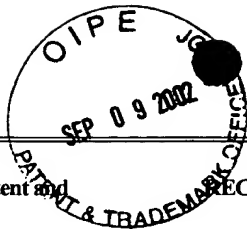
Citizenship:

Post Office Address:

(Insert complete
mailing address, including

country)

****Note to Inventors:** Please sign name exactly as it appears and insert the actual date of signing.
This form may be executed only when attached to the first page of the Declaration and Power of Attorney form and the specification (including claims) of the application to which it pertains.



Director of the U.S. Patent and
Trademark Office
Box Assignments
Washington, D.C. 20231

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 108170

To the Honorable Director of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. A. Name of conveying party(ies):

- (1) Lauri J. KARTTUNEN
(2) Kenneth R. BEESLEY

B. Additional name(s) of conveying party(ies)
attached? ☐ Yes ☒ No

2. A. Name and address of receiving party(ies):

XEROX CORPORATION
800 Long Ridge Road
P.O. Box 1600
Stamford, Connecticut 06904-1600

3. A. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other Corrected Assignment

B. Execution Date: (1) 09/04/02; (2) 08/12/02

B. Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. A. If this document is being filed together with a new application, the execution date of the application is: _____.

B. Patent Application No.(s) 09/737,942

C. Patent No.(s) _____

D. Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
concerning document should be mailed:

James A. Oliff
OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved:
1

7. Total fee (37 CFR 3.41).....\$40.00

Charge to Deposit Account No. 24-0037

A duplicate copy of this page is attached.

8. Credit any overpayment or charge any underpayment to deposit
account number 24-0037.

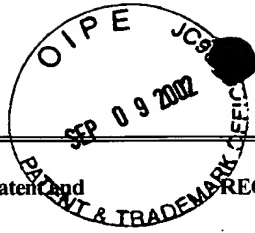
9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the
original document.


James A. Oliff Registration No. 27,075
Stephen J. Roe Registration No. 34,463

Date: September 9, 2002

Total number of pages: 3



Director of the U.S. Patent and
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Box Assignments
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800 Long Ridge Road
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P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved:
1.

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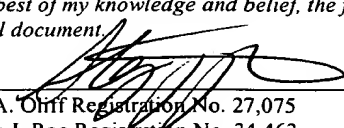
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James A. Oliff Registration No. 27,075
Stephen J. Roe Registration No. 34,463

Date: September 9, 2002

Total number of pages: 3

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Lauri J. Karttunen, Kenneth R. Beesley

who have created a certain invention for which an application for United States Letters Patent has been executed concurrently herewith and is entitled


METHOD AND APPARATUS FOR CONSTRUCTING FINITE-STATE NETWORKS MODELING NON-
CONCATENATIVE PROCESSES

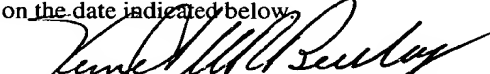
Do hereby sell, assign and transfer to XEROX CORPORATION, a corporation of the State of New York having a place of business at Stamford, in the County of Fairfield, and State of Connecticut, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts and treaties;

Agree that XEROX CORPORATION hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.


Lauri J. Karttunen Date: Sept. 4, 2002


Kenneth R. Beesley Date: Aug. 12, 2002

Date: _____

Date: _____

Date: _____

Date: _____

Date: _____

Date: _____

Date: _____

Return Address: OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320